

## **CHAPTER III**

### **RESEARCH METHODOLOGY**

This chapter dicusses the research in this study. It covers discussion about research design, subject of study, and case study.

#### **3.1 Research Design**

Selecting an appropriate research design is an important step in conducting a research project. According to Alwasilah (2006), qualitative study utilized in this study was descriptive analysis rather than calculating processes. Qualitative data usually involve recorded spoken data. For instance, the dialogue movie that is transcribed to textual form as well as written notes (Domey, 2007). This research, the researcher used qualitative approach because the researcher analyzed the types of code switching and the affecting factors of the character on “Java Heat” movie. This research used descriptive qualitative because in this research described the types of code switching and the affecting factors of code switching found in Java Heat movie. Also, no complex calculation was conducted.

#### **3.2 Research Subject**

“Java Heat” movie released in 2013 is American-Indonesian action movie directed by Conor Allyn, that tells about a muslim detective teams with an American posing as a graduate student to find the man behind a series of deadly terrorist bombings in Indonesia. A movie that has a background in city of Yogyakarta, Central java Indonesia, has a lot of code switchings in its dialogue. A

huge number of code switchings led the researcher took this movie as research subject. Specially the conversation of the characters become objects of research. Those conversations or dialogues were material that can be analyzed for answering. The research questions (Flick 2009). This research was to analyze the affecting factors used of characters that used in their utterance and the types of code switching that use in movie.

### **3.3 Research Instrument**

Research instrument is most important thing for the researcher to collect the data. This research is Sociolinguistic study to understand the types and the factors affecting of code switching found in “Java Heat” movie. The main instrument of this research is researcher herself because the researcher is the key of her research. As the main instrument, the researcher collects the data and analyzes by herself. According to Ary (2002), the concept of human as instrument is the unique role that a qualitative research uses in them. Human as a tool will give the impact on the result of research because which will result in more comprehensive discussion.

#### **3.3.1 Human Instrument**

In this research the researcher as human instrument would collect and analyze the document, and in this investigation document is the movie it self. The researcher has a role as the instrument, so accuracy of data will depend by on the researcher skills to do research.

### 3.3.2 Document

Document has three kinds; personal, document official and popular culture document. The researcher would use popular culture document as an instrument because movie include to popular culture document. Therefore, the researcher will focus on the dialogue of the movie.

### 3.4 Data Sources

Ary (2001) mentioned if a document is written by someone who has firsthand experience with the phenomena under study, it is considered primary source. The source of the data are the transcript code of switching dialogues in “Java Heat” movie. The researcher listen and write down the dialogues that contain code of switching, and as the reference the researcher used some subtitles from source <https://subscene.com/subtitles/java-heat/english/729705> as a transcript code switching from the movie.

### 3.5 Data Collection

A research also needs to collect the data to support the investigation. According to Richard (2005), the researcher in qualitative project often starts out by treating everything around topics as potential data.

The researcher involves two steps to gain the data. The first step to find the types of code switching are explained as below:

- 1) Watching and Listening the dialogue of movie several times;
- 2) Writing down of the utterance containing code switching in dialogue;

- 3) Comparing that the finding data with subtitle source to validate the finding;
- 4) Classifying the transcript of code switching based on the types of code switching,
- 5) Classifying the transcript of code switching based on affecting factors.

### **3.6 Data Analysis**

Data analysis is a process where the researcher systematically search and arrange the data in order to increase their understanding of the data and to enable them to present what they learned to other (Ary, 2010). After collecting the data, the researcher analyze the data based on research question and then following steps bellow;

1. Analyzing the types of code switching based on Hoffmans' theory
2. Analyzing the affecting factors of code switching based on Hoffmans' theory
3. Showing the data in table
4. Discussing those finding data to elaborate the data
5. Making conclusion of the finding types anf affecting factors of codeswitching

Table 1: Types of code switching

No	The data	Types of code switching						Amount
		Intra-sential switches	Inter-sential switches	Establishing countinuity switches	Emblamatic switching	Intra-lexical code switching	Involving achange of pronunciation	
1								
2								
3								

